

MICHIGAN
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION
FOR
PVC DOWNSPOUT

GR:TELLIER

1 of 1

C&T:APPR:EMB:GJB:12-18-01

a. Description. This work shall consist of furnishing and installing a rigid Polyvinyl Chloride (PVC) Downspout from the funnel to the existing ground level including the funnel. A PVC deflection system shall be included at the outlet of the drainage system connected to the downspout to deflect water away from the existing slopes and cars in the parking lot. The removal and disposal of the existing cast downspouts from the funnel to the in ground connection, as well as abandoning the existing connection into the sewer system, shall be included in this pay item. This work shall include all fittings and anchoring materials. This work shall also include the clean out and disposal of all material in each drainage system.

b. Materials. The pipe and fittings shall conform to the requirements of ASTM D-2665, Schedule 40.

All plastic pipe and fittings used throughout the project shall be of the same brand name (same manufacturer).

Solvents and glues shall be recommended by the manufacturer as compatible with the pipe and fittings supplied.

All anchor bolts/connectors shall be galvanized according to AASHTO 232 and the epoxy system shall be from the MDOT approved products list. The existing anchors shall be removed and the concrete shall be patched according to other Special Provisions in this contract. The design of the anchor bolts shall be equal or greater than that shown on the existing drawings. Design calculations shall be submitted with the shop drawings before installation.

c. Construction. Installation shall be in accordance with section 717 of the Standard Specifications. The pipe and fittings shall be joined in the manner as recommended by the manufacturer.

d. Measurement and Payment. The completed work as measured for PVC Downspout will be paid for at the contract unit price for the following contract item (pay item):

Contract Item (Pay Item)	Pay Unit
PVC Downspout	Each

The item **PVC Downspout** shall be payment in full for furnishing all labor, equipment, and materials necessary to complete the installation of the downspout as detailed, including fittings, anchor bolts, straps, deflection system and miscellaneous hardware. **PVC Downspout** also includes payment in full for removing and disposing of existing cast downspouts, abandoning the existing connection into the sewer system, and cleanout and disposal of all material in each drainage system. **Shop drawings shall be submitted and approved by the Project Engineer prior to installation.**